Trade Analysis and Information System
Long Time-Series Version
(LTS TRAINS)

User's Manual

Version 1.0
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LTS TRAINS has been developed by United Nations Conference on Trade and Development (UNCTAD) in collaboration with International Monetary Funds (IMF) and with financial assistance from UK Department for International Development (DFID)

For feedback, please send emails to UNCTAD TRAINS Team in Geneva (trains@unctad.org).

For updates and an electronic version of this document, please go to:
ftp://ftp.unctad.org/aki/LTS TRAINS/Manuals/LTS TRAINS Manual.pdf

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Introduction

This document provides a brief introduction to the Long Time-Series version of UNCTAD Trade Analysis and Information System (LST TRAINS), and shows you how to build queries and retrieve data through a series of demonstrations and examples.

How to Use This Manual

The following typographical conventions are used in this manual:

- Blue texts (or grey if black and white copy) indicate LST TRAINS commands, features and elements;
- Blue underlined texts indicate references to other documents or sections of the document; it may also indicate links to the web.
- Numbered lists describe step-by-step processes;
- Blue background notes (or grey if black and white copy) provide with important information.

A. Introduction to LST TRAINS

UNCTAD, in collaboration with IMF and with financial assistance from UK DFID, initiated a new project in May 2010 to build this time-series database based on the longest standing product nomenclature, namely, the Standard International Trade Classification, Revision 1 (SITC Rev.1) and develop an application to manipulate the database.

The database draws raw tariff data from various sources that include UNCTAD TRAINS Harmonized system database, WTO IDB database, GATT Tariff Study files, and International Customs Tariff Bureau (BITD) files purchased by IMF (converted by IMF in SITC Revision 1 classification), standardized and transferred to a single historical database.

This new application allows researchers to, inter alia, construct trade restrictiveness indices (TRIs) that overcome the weaknesses inherent in the indices that have been used to date—the simple average tariff rate and the others mentioned above. With the new database, a number of interesting research questions could be answered including: (i) a comparison of the evolution of different indicators (simple average tariff versus the Anderson/Neary trade restrictiveness index (TRI) for example; and (ii) how using Anderson/Neary TRIs in standard growth regressions alters current thinking on the relationship between trade and growth.

The new database is a homogenous analytical one of tariff and import statistics from 1970 to the present. The package of the database and the application is available as UNCTAD Long Time-Series TRAINS database. The use of SITC Rev 1 product classification enables easy multi-country, multi-year comparisons.

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A1. The Four Menus

1. Query
The Query is the basic tool of the System. Under this menu, users select required dimensions (years, products, reporter countries and partner countries), and submit the query to calculate the basic tariff and trade indicators.

2. Reports
Under the Reports, users obtain the results of the query constructed and submitted above, or retrieve pre-calculated Trade Restrictiveness Index (TRI) indicators by selecting desired countries and/or Import Demand Elasticity series used as input into TRI calculation both by selecting a country/year.

3. Tools
The available Tools include construction of user-defined product group and country group.

4. Help
This menu is under development.

A2. Databases: Principles, Data and Coverage

The database of LST TRAINS is constructed by matching the SITC Rev1. Import statistics from UN COMTRADE (http://comtrade.un.org) with indicators of applied MFN tariff rates at each leaf-level SITC Rev.1 product (4 or 5-digit). The indicators are obtained concordance between the national tariff schedules reported in various nomenclatures and the SITC nomenclature.

Sources of Tariff Information:

1. UNCTAD TRAINS database (HS) for all years since 1988
2. UNCTAD database on Trade Control Measures based on CCCN
3. GATT tariff study series based on CCCN
4. International Customs Tariff Bureau (BITD) files purchased by IMF

For the catalogue of available country/years available as of 1 September 2011, see Annex E2. An updated list will be made available inside the System.

Tariff Indicators in the Database:

For the tariff lines corresponding to each SITC leaf-level code:

1. sum_Of_Rates: sum of ad valorem tariff rates
2. sum_Of_Squared_Rates: sum of squared ad valorem tariff rates
3. min_Rate: minimum *ad valorem* tariff rate or its equivalent (AVE)
4. max_Rate: maximum *ad valorem* tariff rate or its equivalent (AVE)
5. count_AVE_Lines: number of tariff lines for which ad valorem equivalents (AVE) have been calculated for non-ad valorem rates
6. count_NA_Lines: number of tariff lines which are excluded from calculation of indicators (for example, because the AVE has not been calculated, or the rate is not available at all)
7. count_Free_Lines: number of MFN duty free tariff among the tariff
8. count_Dutiable_Lines: number of tariff lines with *ad valorem* rate > 0
9. count_DomesticPeaks: number of tariff lines with ad valore rate or its equivalent (AVE) > 3 x the country's overall simple average tariff rate.
10. count_InternationalPeaks: number of tariff lines with ad valore rate or its equivalent (AVE) > 15%
11. rangeCount: number of tariff lines whose ad valorem rate or its equivalent (AVE) falls

between 0-5%, 5-10%, 10-20%, 20-50%, 50-100% and above 100%.

12. tradeValue: Value of imports from the world
13. netWeight: Volume of imports from the world in Metric Tons
14. quantity: Volume of imports from the world in secondary unit
15. qtyUnit: Unit of the secondary volume

B. Query in LST TRAINS

B1. Query Definition

This section describes how to construct a query in LST TRAINS and submit it for execution**.**

B1.1. Introduction

With the Query module, users construct sophisticated queries by including multiple reporters and partner countries, products and years in a single query. Countries and products can be selected individually or as groups. Groups can be selected from users' own customized country and product groups or pre-defined aggregates. Queries can be saved and reused.

Note: To open a saved query (to rerun it or modify it), in the **Query** menu, click **Open** and select the query from the list of saved queries, which are listed according to the name and description provided by users (see below how to create a new query).

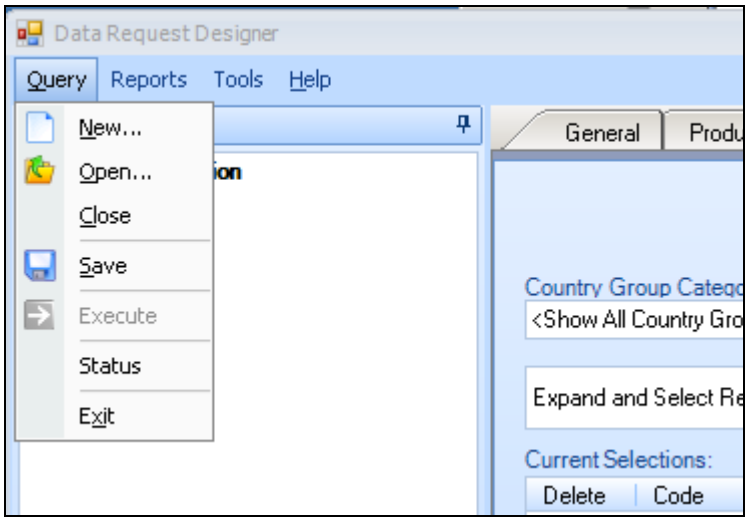
The results of a Query include average tariff rates, standard deviations, international and domestic tariff peaks, minimum and maximum rates, etc.

B1.2. Opening a new Query

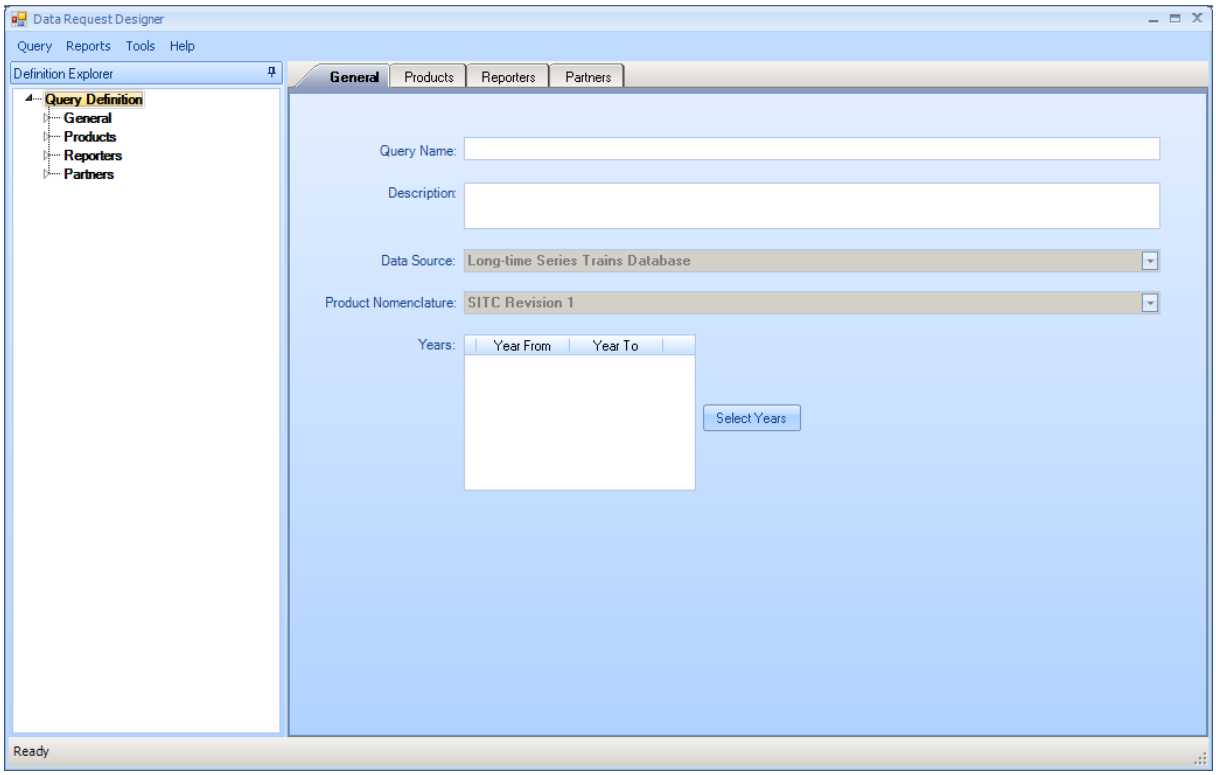
To Open a new Query:

1. Click on Query to open the menu;

2. Click on New.



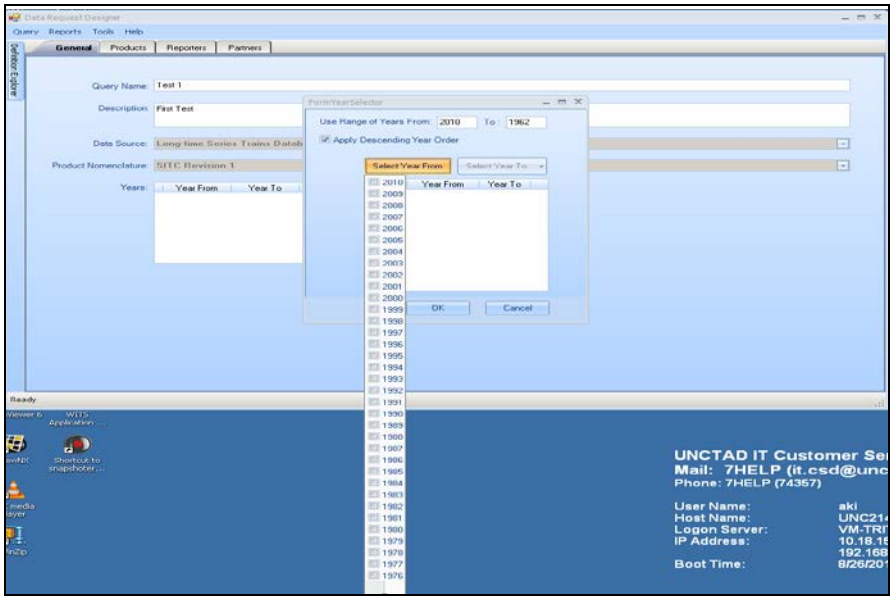
The following screen will be displayed:



B1.3. Name and Description of the Query and Years

In the General tab:

1. Enter a Query Name (short name in one world) and a Query Description in the corresponding text areas;
2. Click on Select Years button and then click on the Select Year From tab, the following list of all available years appear as follows:

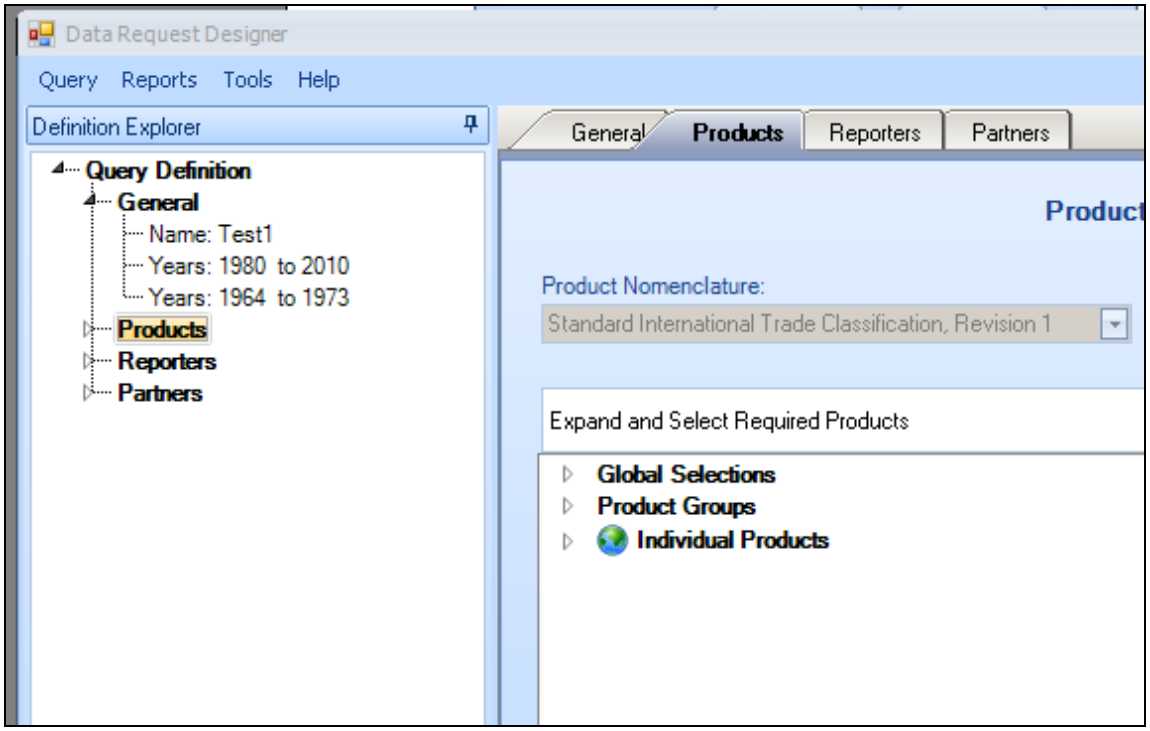


3. Select all desired years individually, and/or select the first year for a range of years.

4. For a range of years, click on Select Year To tab (which is activated when one year is selected from the previous list), and choose the last year of the range. In the exampole below, two ranges, one from 1964 to 1973, and another from 1980 to 2010 have been selected.

B1.4. Products

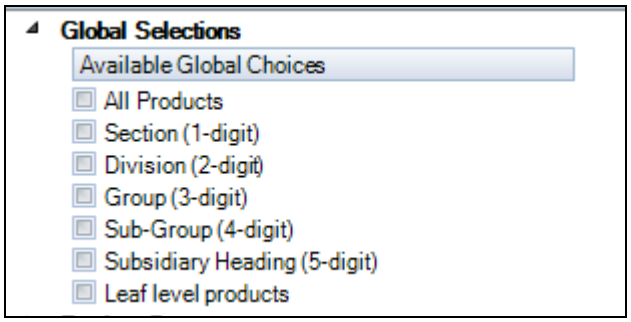
For the Product and Product Group selector, click on the Products tab.



As show above, products can be selected using one or more of the three methods: Global Selections; Product Groups; and Individual Products.

B1.4.1. Global Selections

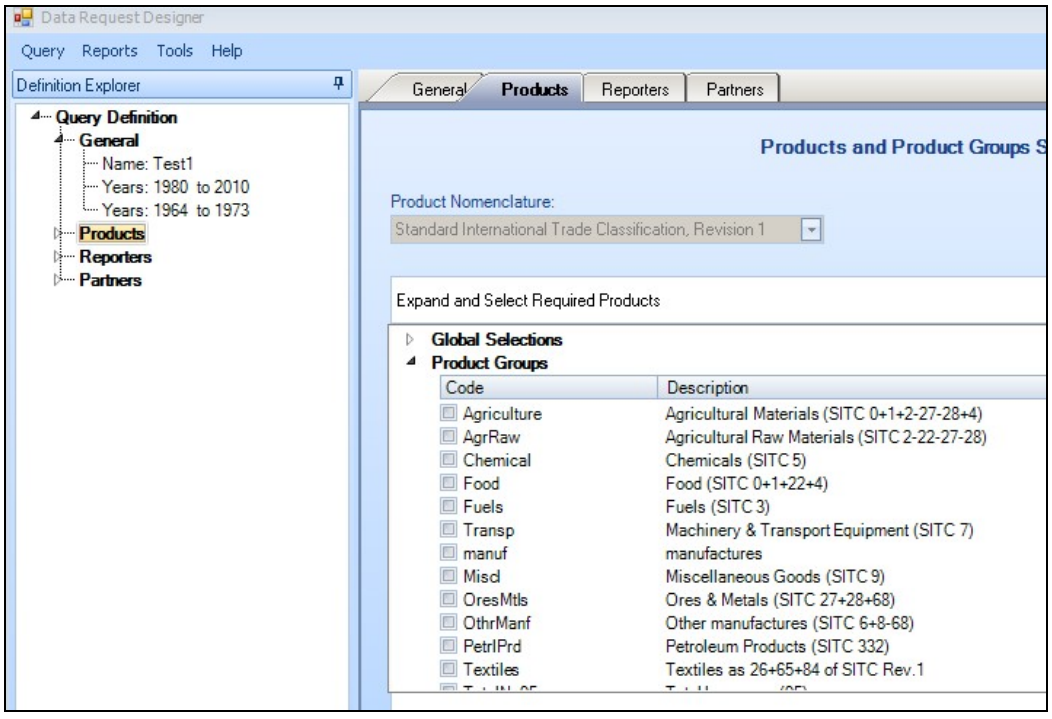
This method is used if all products need to be selected at a given level of aggregation of the product nomenclature (i.e. SITC Rev1). Expanding the **Global Selections** by clicking ▷ shows each level of aggregation (from 1 to 5 digit) as follows:



Select the level of product aggregation required by checking the corresponding ☐, and the system will automatically select all products at that level of aggregation. All levels can be selected at once by choosing "All Products". In STIC nomenclature, the most detailed level may be at 4 or 5 digit depending on the type of products. To select all products at their respective most detailed levels, choose "Leaf level products.

B1.4.2. Product Groups

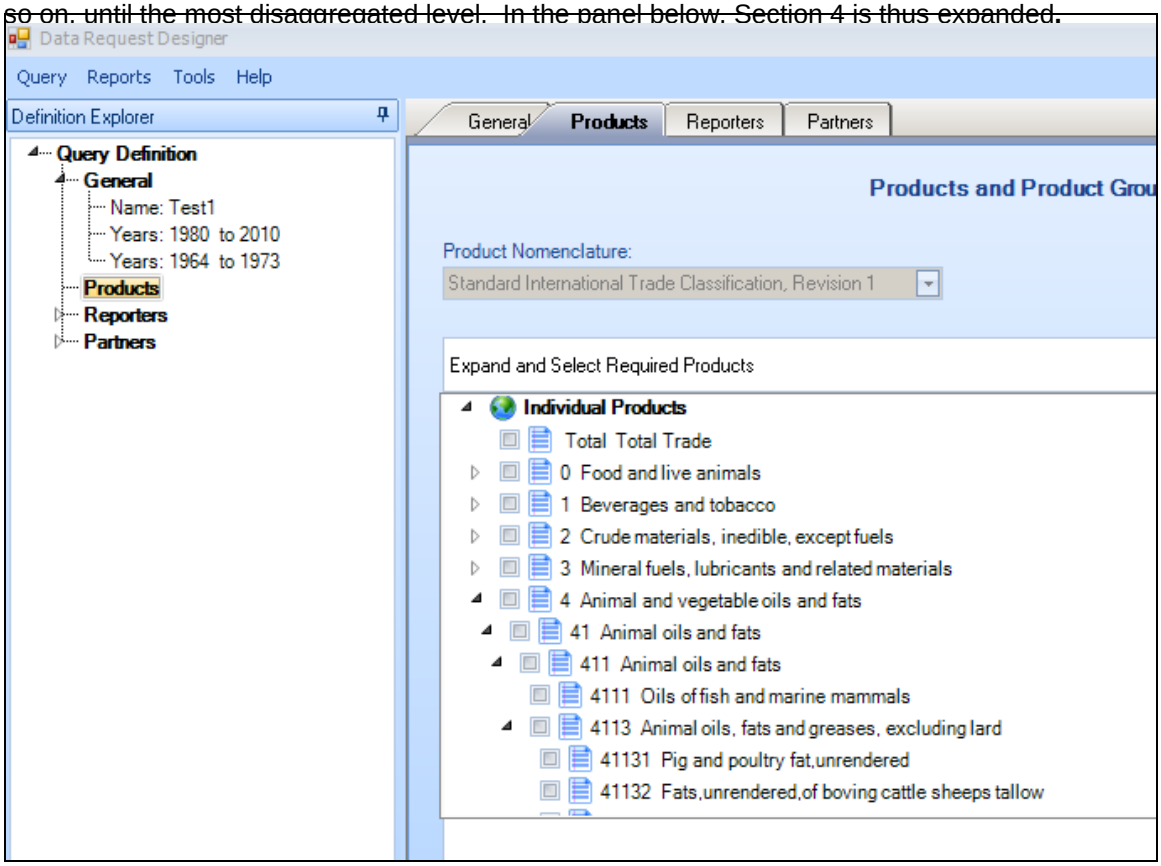
Product Groups are groups of heterogeneous product categories that are either pre-defined in LST TRAINS or defined by users using the Manage Product Groups tool (see Section D for details). The System will calculate all indicators for the group as a whole by aggregating import values and other additive numbers, and averaging tariff rates. Pre-defined groups can be shown by clicking ▷ at the **Product Groups** as follows:



Select any number of aggregates by checking the corresponding ☐.

B1.4.3. Individual Products

If only a few individual products are required, then select them from the individual product tree. Expanding ▷ **Individual Product** shows the listing of SITC 1-digit level. Each one-digit category can be expanded to 2-digit list by clicking the corresponding, and each 2-digit into 3-digit list, and so on, until the most disaggregated level. In the panel below, Section 4 is thus expanded.

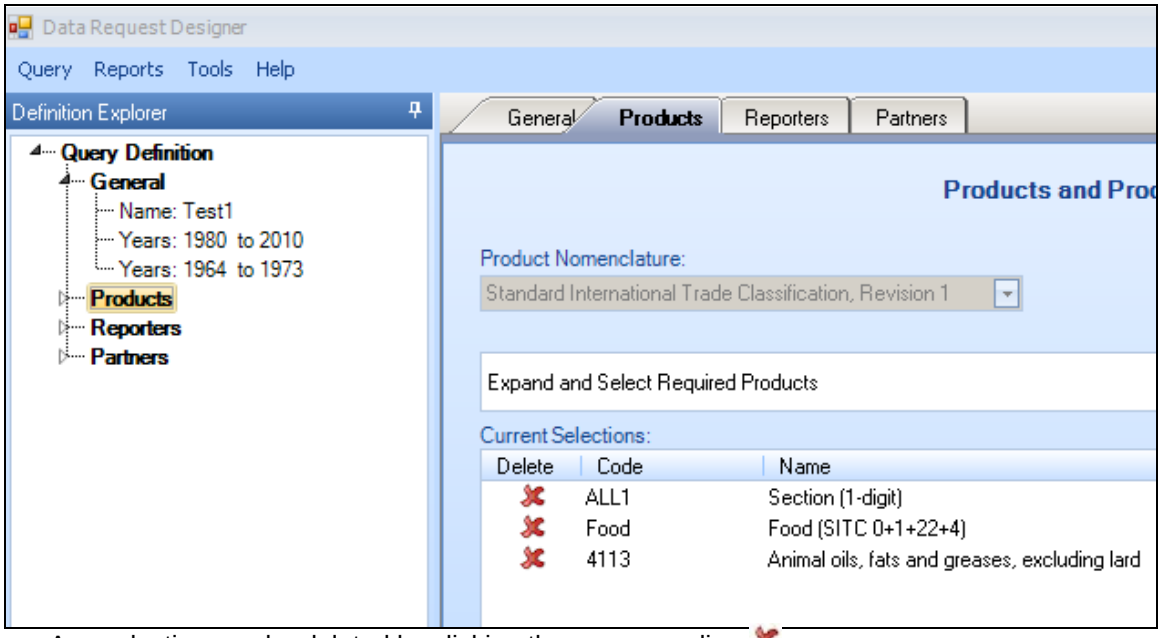


Select any number of products and any level of aggregation by checking the corresponding ☐

B1.4.4. Reviewing product selection

When all product selection has been completed, click

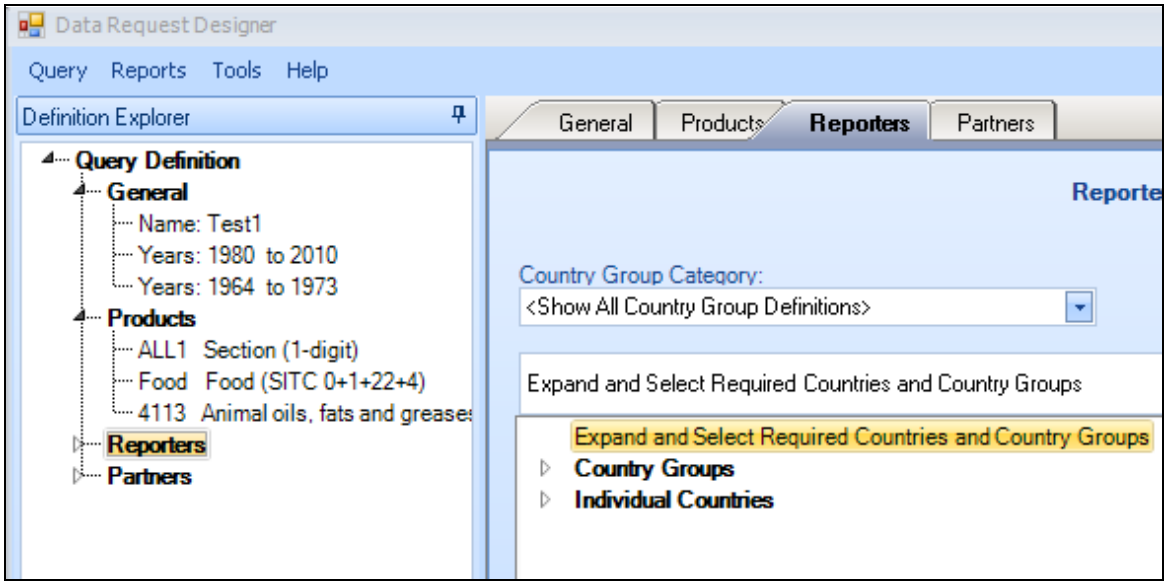
and all selected products will be shown in the Current Selection Box. In the example below, All 1-digit products are selected from the Global Selection, Food products from the Product Groups, and a 4-digit code 4113 have been selected.



Any selection can be deleted by clicking the corresponding

B1.5. Reporters

Clicking the **Reporters** tab opens the following panel:

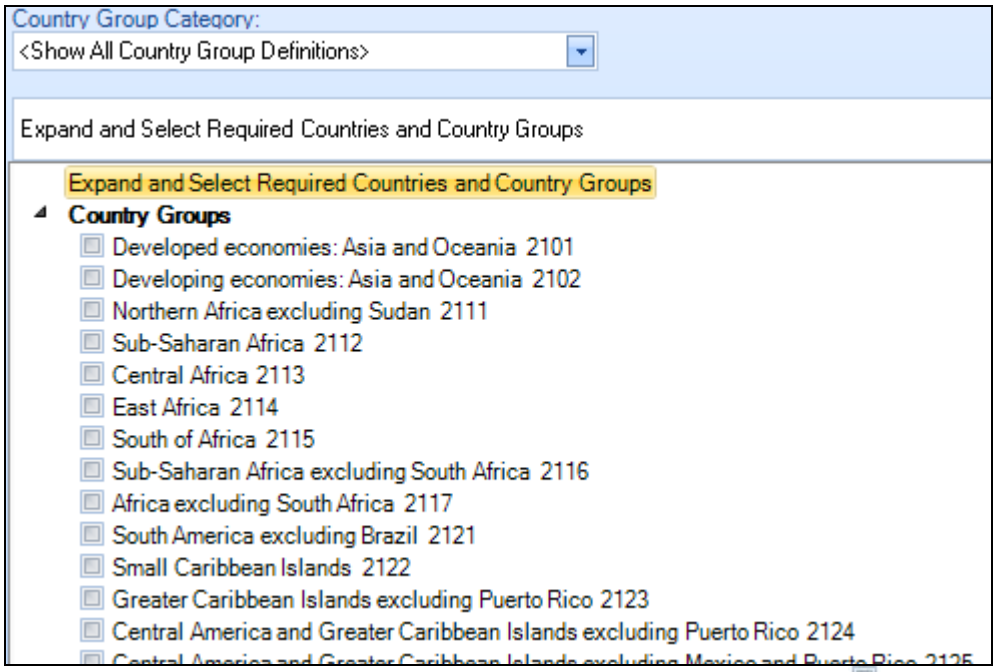


Reporters are countries which report the import tariff schedules and import statistics. Select Countries from the **Country Groups**, and/or **Individual Countries**.

B1.5.1 Country Groups

Country Groups are either pre-defined in LST TRAINS by UNCTAD definition of economic development (Economic Groupings), by region (Geographical Groupings) or by regional trade blocks (Trade Groups), or defined by users using the Manage Country Groups tool (see Section D for details). The System will calculate all indicators for the group as a whole by aggregating import values and other additive numbers, and averaging tariff rates. Pre-defined groups can be

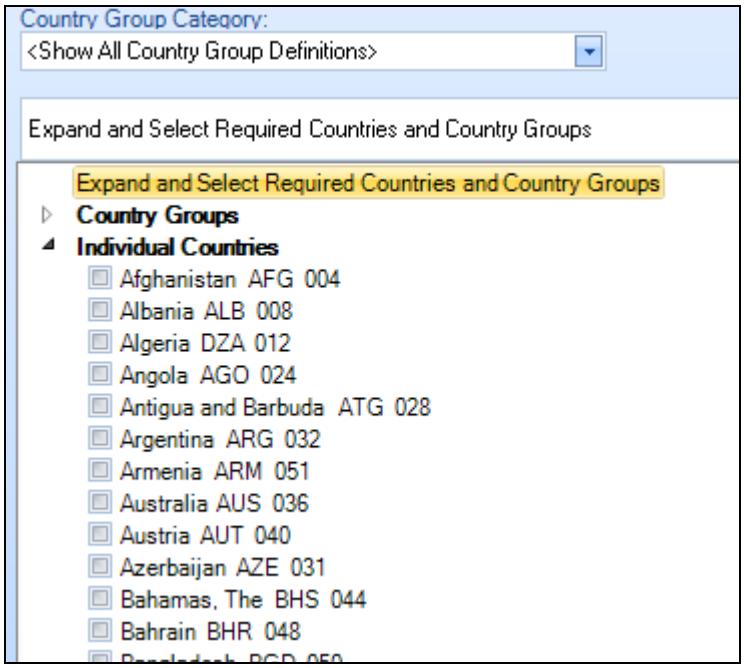
shown by expanding the selecting from clicking ▷ at the **Country Groups**.



Select as many Country Groups as required by checking corresponding ☐.

B1.5.2 Individual Countries

Individual countries can be selected by expanding ▷ **Individual Countries** and selecting the required countries by checking corresponding ☐.

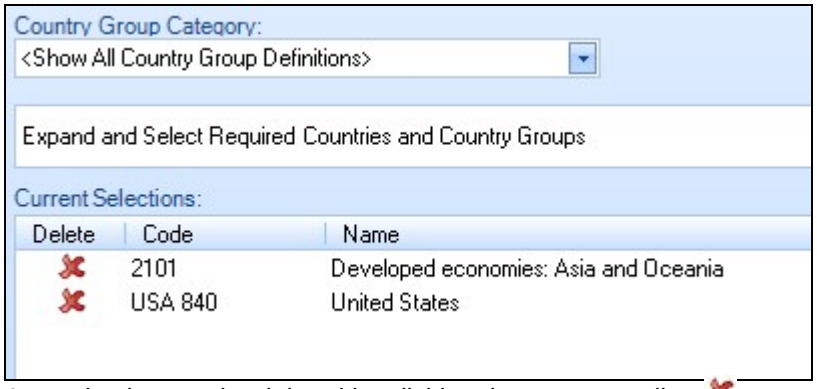


B1.5.3 Reviewing country selection

When all country selection has been completed, click

and all selected countries and

country groups will be shown in the Current Selection Box. In the example below, Developed Economies of Asia and Oceania is selected from the Country Groups and USA is selected from the Individual Countries.



Any selection can be deleted by clicking the corresponding

B1.6. Partners

Partners are countries which export to the selected reporters and possibly face tariff protection when entering the market.

Partners can be selected in the same way as **Reporters** with one distinct difference. In the **Individual Countries** selection option, "World" is included.

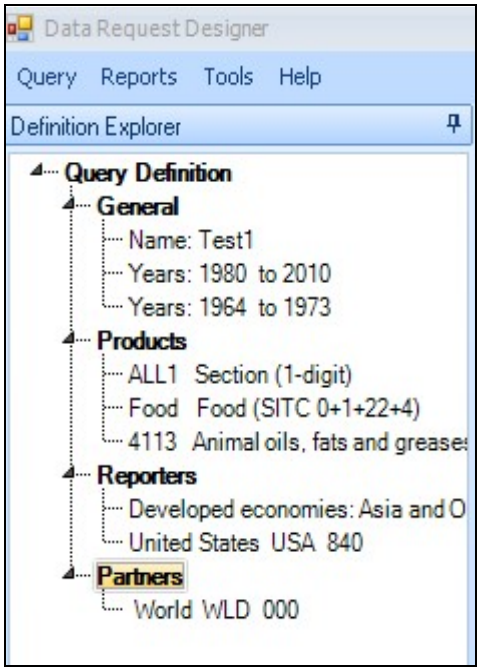
This is because import statistics are reported by the reporting countries for each individual exporter (partner) as well as the total from the world.

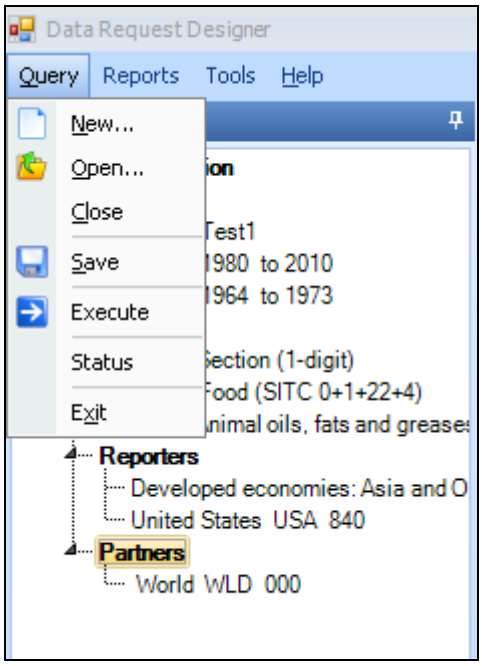
Note: It is recommended to select "World" as partner instead of aggregating across all countries (by creating user-defined group of partner countries consisting of all countries). This is because in some cases, not all partner countries are reported.

Note: As the LST TRAINS contains only the applied MFN tariff rates, selection of partners will affect the tariff averages only in the composition of the products. Simple average tariff rates are calculated by taking only the products traded by Reporter country(ies) from Partner country(ies) selected, within the pre-selected products. If a simple average tariff across all pre-selected products is required, select "World" as partner.

B1.7. Reviewing Query Definitions

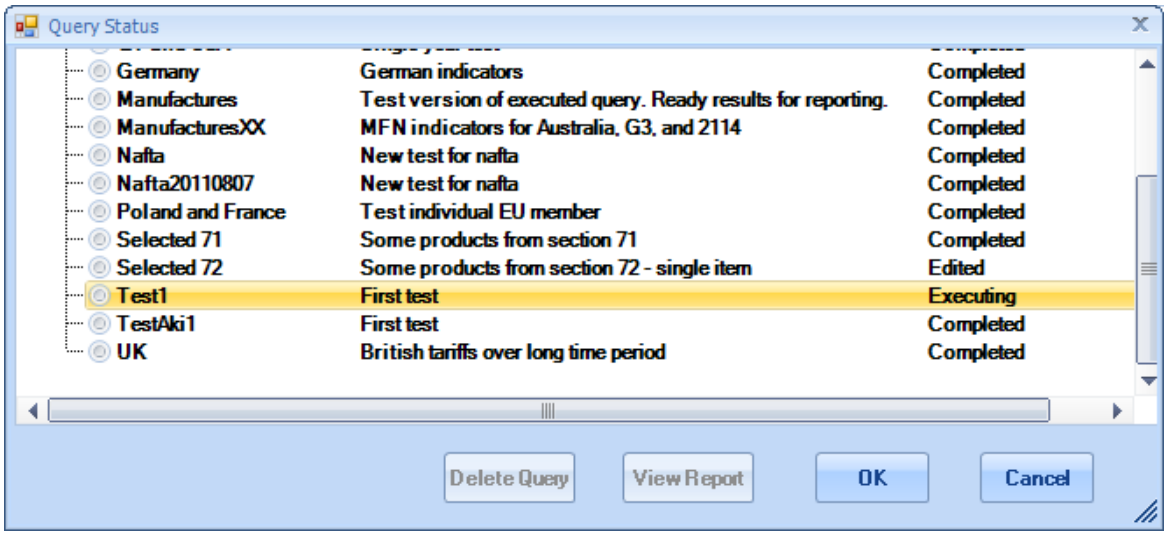
All dimensions of the query can be reviewed on the left-side pane by clicking the corresponding dimension. Before executing the query, it must be saved. To save, open the menu **Query** and click **Save**.





B1.8. Executing a Query

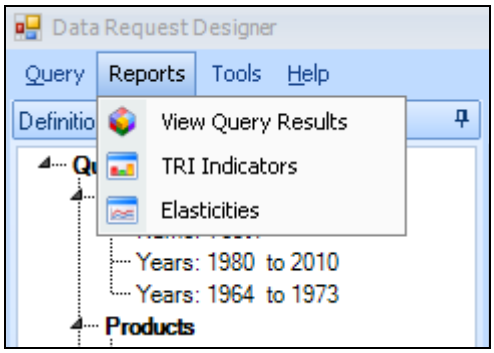
To execute a (saved) query, click **Execute** from the Query menu above. The progress of the query execution can be monitored by selecting **Status** (from the same menu).



When the Status becomes **Completed**, the results can be retrieved. (see the next chapter)

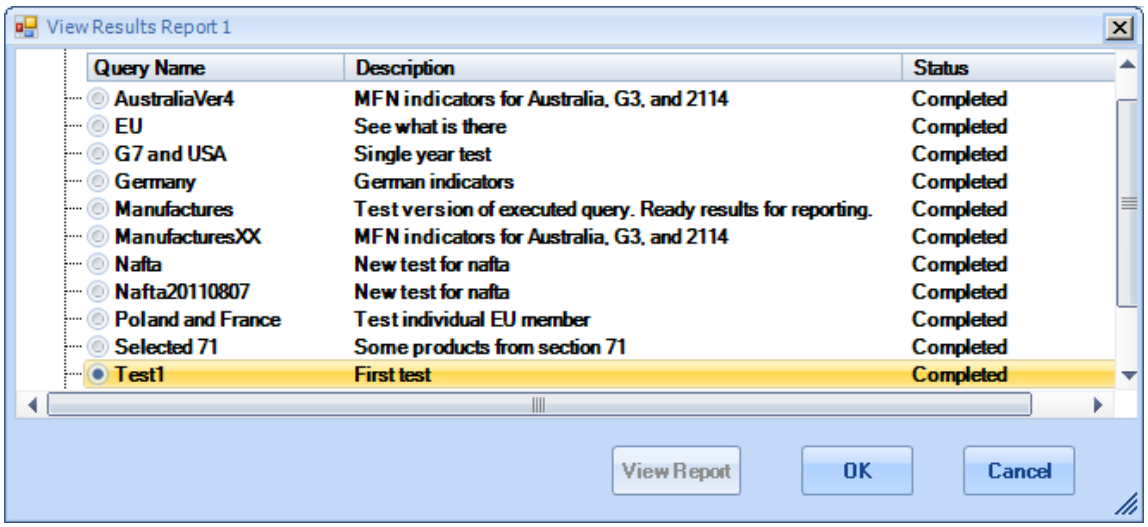
B2. Query Results

Query results are contained in the **Report** section of LST TRAINS.

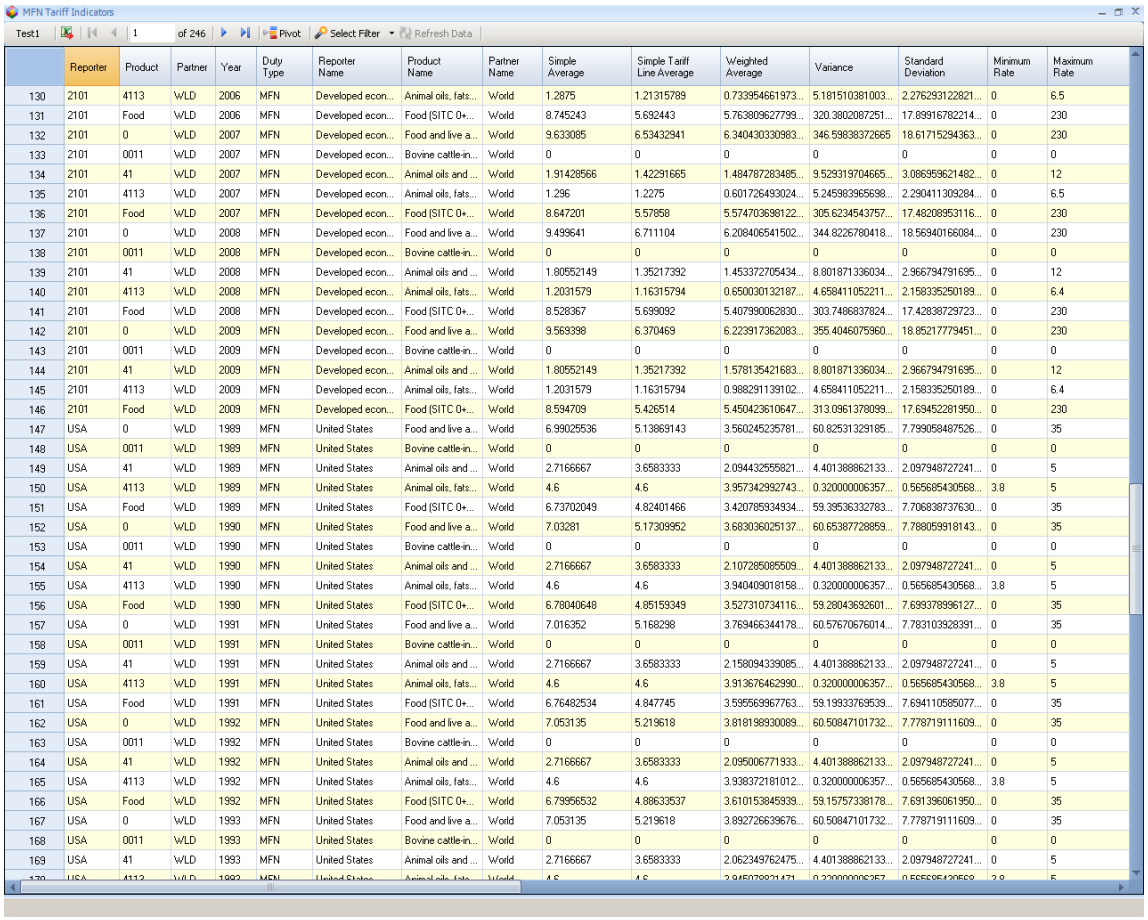


B2.1. Viewing the result in default format table

By selecting View Query Results in the Report menu above, the list of queries that have been completed appears.



Select the desired query by checking the corresponding (e.g. Test1) and click View Report. The results of the query are presented in a spreadsheet form.



	Reporter	Product	Partner	Year	Duty Type	Reporter Name	Product Name	Partner Name	Simple Average	Simple Tariff Line Average	Weighted Average	Variance	Standard Deviation	Minimum Rate	Maximum Rate
130	2101	4113	WLD	2006	MFN	Developed econ...	Animal oils, fats...	World	1.2875	1.21315789	0.733954661973...	5.181510381003...	2.276293122821...	0	6.5
131	2101	Food	WLD	2006	MFN	Developed econ...	Food (SITC 0+...	World	8.745243	5.692443	5.763809627799...	320.3802087251...	17.89916782214...	0	230
132	2101	0	WLD	2007	MFN	Developed econ...	Food and live a...	World	9.633085	6.53432941	6.340430330983...	346.59838372665	18.61715294363...	0	230
133	2101	0011	WLD	2007	MFN	Developed econ...	Bovine cattle-in...	World	0	0	0	0	0	0	0
134	2101	41	WLD	2007	MFN	Developed econ...	Animal oils and ...	World	1.91428566	1.42291665	1.484787283485...	9.529319704665...	3.086959621482...	0	12
135	2101	4113	WLD	2007	MFN	Developed econ...	Animal oils, fats...	World	1.296	1.2275	0.601726493024...	5.245983965698...	2.290411309284...	0	6.5
136	2101	Food	WLD	2007	MFN	Developed econ...	Food (SITC 0+...	World	8.647201	5.57858	5.574703698122...	305.6234543757...	17.48208953116...	0	230
137	2101	0	WLD	2008	MFN	Developed econ...	Food and live a...	World	9.499641	6.711104	6.208406541502...	344.8226780418...	18.56940166084...	0	230
138	2101	0011	WLD	2008	MFN	Developed econ...	Bovine cattle-in...	World	0	0	0	0	0	0	0
139	2101	41	WLD	2008	MFN	Developed econ...	Animal oils and ...	World	1.80552149	1.35217392	1.453372705434...	8.801871336034...	2.966794791695...	0	12
140	2101	4113	WLD	2008	MFN	Developed econ...	Animal oils, fats...	World	1.2031579	1.16315794	0.650030132187...	4.658411052211...	2.158335250189...	0	6.4
141	2101	Food	WLD	2008	MFN	Developed econ...	Food (SITC 0+...	World	8.528367	5.699092	5.407990062830...	303.7486837824...	17.42838729723...	0	230
142	2101	0	WLD	2009	MFN	Developed econ...	Food and live a...	World	9.569398	6.370469	6.223917362083...	355.4046075960...	18.85217779451...	0	230
143	2101	0011	WLD	2009	MFN	Developed econ...	Bovine cattle-in...	World	0	0	0	0	0	0	0
144	2101	41	WLD	2009	MFN	Developed econ...	Animal oils and ...	World	1.80552149	1.35217392	1.578135421683...	8.801871336034...	2.966794791695...	0	12
145	2101	4113	WLD	2009	MFN	Developed econ...	Animal oils, fats...	World	1.2031579	1.16315794	0.988291139102...	4.658411052211...	2.158335250189...	0	6.4
146	2101	Food	WLD	2009	MFN	Developed econ...	Food (SITC 0+...	World	8.594709	5.426514	5.450423610647...	313.0961378099...	17.69452281950...	0	230
147	USA	0	WLD	1989	MFN	United States	Food and live a...	World	6.99025536	5.13869143	5.560245235781...	60.82531329185...	7.799058487526...	0	35
148	USA	0011	WLD	1989	MFN	United States	Bovine cattle-in...	World	0	0	0	0	0	0	0
149	USA	41	WLD	1989	MFN	United States	Animal oils and ...	World	2.7166667	3.6583333	2.094432555821...	4.401388862133...	2.097948727241...	0	5
150	USA	4113	WLD	1989	MFN	United States	Animal oils, fats...	World	4.6	4.6	3.957342992743...	0.320000006357...	0.565685430568...	3.8	5
151	USA	Food	WLD	1989	MFN	United States	Food (SITC 0+...	World	6.73702049	4.82401466	3.420785934934...	59.39536332783...	7.706838737630...	0	35
152	USA	0	WLD	1990	MFN	United States	Food and live a...	World	7.03281	5.17309952	5.683036025137...	60.65387728859...	7.788059918143...	0	35
153	USA	0011	WLD	1990	MFN	United States	Bovine cattle-in...	World	0	0	0	0	0	0	0
154	USA	41	WLD	1990	MFN	United States	Animal oils and ...	World	2.7166667	3.6583333	2.107285085509...	4.401388862133...	2.097948727241...	0	5
155	USA	4113	WLD	1990	MFN	United States	Animal oils, fats...	World	4.6	4.6	3.940409018158...	0.320000006357...	0.565685430568...	3.8	5
156	USA	Food	WLD	1990	MFN	United States	Food (SITC 0+...	World	6.78040648	4.85159349	3.527310734116...	59.28043692601...	7.699378996127...	0	35
157	USA	0	WLD	1991	MFN	United States	Food and live a...	World	7.016352	5.168298	3.769466344178...	60.57670676014...	7.783103928391...	0	35
158	USA	0011	WLD	1991	MFN	United States	Bovine cattle-in...	World	0	0	0	0	0	0	0
159	USA	41	WLD	1991	MFN	United States	Animal oils and ...	World	2.7166667	3.6583333	2.158094339085...	4.401388862133...	2.097948727241...	0	5
160	USA	4113	WLD	1991	MFN	United States	Animal oils, fats...	World	4.6	4.6	3.913676462990...	0.320000006357...	0.565685430568...	3.8	5
161	USA	Food	WLD	1991	MFN	United States	Food (SITC 0+...	World	6.76482534	4.847745	3.595569967763...	59.19333769539...	7.694110585077...	0	35
162	USA	0	WLD	1992	MFN	United States	Food and live a...	World	7.053135	5.219618	3.818198930089...	60.50847101732...	7.778719111609...	0	35
163	USA	0011	WLD	1992	MFN	United States	Bovine cattle-in...	World	0	0	0	0	0	0	0
164	USA	41	WLD	1992	MFN	United States	Animal oils and ...	World	2.7166667	3.6583333	2.095006771933...	4.401388862133...	2.097948727241...	0	5
165	USA	4113	WLD	1992	MFN	United States	Animal oils, fats...	World	4.6	4.6	3.938372181012...	0.320000006357...	0.565685430568...	3.8	5
166	USA	Food	WLD	1992	MFN	United States	Food (SITC 0+...	World	6.79956532	4.88633537	3.610153845939...	59.15757338178...	7.691396061950...	0	35
167	USA	0	WLD	1993	MFN	United States	Food and live a...	World	7.053135	5.219618	3.892726639676...	60.50847101732...	7.778719111609...	0	35
168	USA	0011	WLD	1993	MFN	United States	Bovine cattle-in...	World	0	0	0	0	0	0	0
169	USA	41	WLD	1993	MFN	United States	Animal oils and ...	World	2.7166667	3.6583333	2.062349762475...	4.401388862133...	2.097948727241...	0	5

The results are organized in rows and contain the following fields (column headings):

Column Heading	Description
Reporter	Reporter country (ISO3) or group (4digit) code
Product	Product in SITC code or group abbreviation
Partner	Partner (ISO3) or group (4digit) code
Year	Year of tariff data
Duty Type	=MFN
Reporter Name	Reporter country name or group description
Product Name	Product or group description
Partner Name	Partner country name or group description
Simple Average	(In percentage) simple average tariff of included SITC leaf-level tariff rates. The SITC leaf-level tariff is itself an average of included tariff line level rates.
Simple Tariff Line Average	Simple average tariff rates across all tariff lines included in the selected product or product group. Simple Average and Simple Tariff Line Average may differ as number of tariff lines corresponding to each leaf-level STIC code are different, and each may carry different tariff rate.
Weighted Average	(in percentage) average of tariffs SITC leaf-level tariff rates weighted by their corresponding bilateral trade value. The SITC leaf-level tariff is itself an average of included tariff line level rates.
Variance	Statistical measure of how widely tariffs are dispersed;
Standard Deviation	Square root of Variance
Minimum Rate	(In percentage points) lowest tariff rate at the tariff line level within the

	selected product or product group
Maximum Rate	(in percentage points) highest tariff rate at the tariff line level within the selected product or product group
Nbr of AVE Lines	Number of tariff line level lines with estimated Ad Valorem Equivalents of Non-Ad Valorem tariff rates
Nbr of NA Lines	Number of tariff line level lines with no Ad-Valorem tariff (Non-Ad Valorem tariffs or missing rates)
Nbr of Free Lines	Number of tariff line level lines with 0% tariff
Nbr of Dutiable Lines	Number of tariff line level lines with tariff above 0% (excluding NA)
Nbr of Total Lines	Number of tariffs at the tariff line level;
Nbr of DomesticPeaks	Number of tariffs at the tariff line level with the rates higher than 3 times the overall simple average tariff of the Reporter country
Nbr of International Peaks	Number of tariffs at the tariff line level with rates higher than 15%
Nbr Line 0 to 5	Number of tariff line level lines with tariff rates between 0 and 5%
Nbr Line 5 to 10	Number of tariff line level lines with tariff rates between 5 and 10%
Nbr Line 10 to 20	Number of tariff line level lines with tariff rates between 10 and 20%
Nbr Line 20 to 50	Number of tariff line level lines with tariff rates between 20 and 50%
Nbr Line 50 to 100	Number of tariff line level lines with tariff rates between 50 and 100%
Nbr Line more than 100	Number of tariff line level lines with tariff rates above 100%
Import Values in 1000 USD	Bilateral imports of Reporter from Partner for the selected product

B2.2. Customizing the Table View

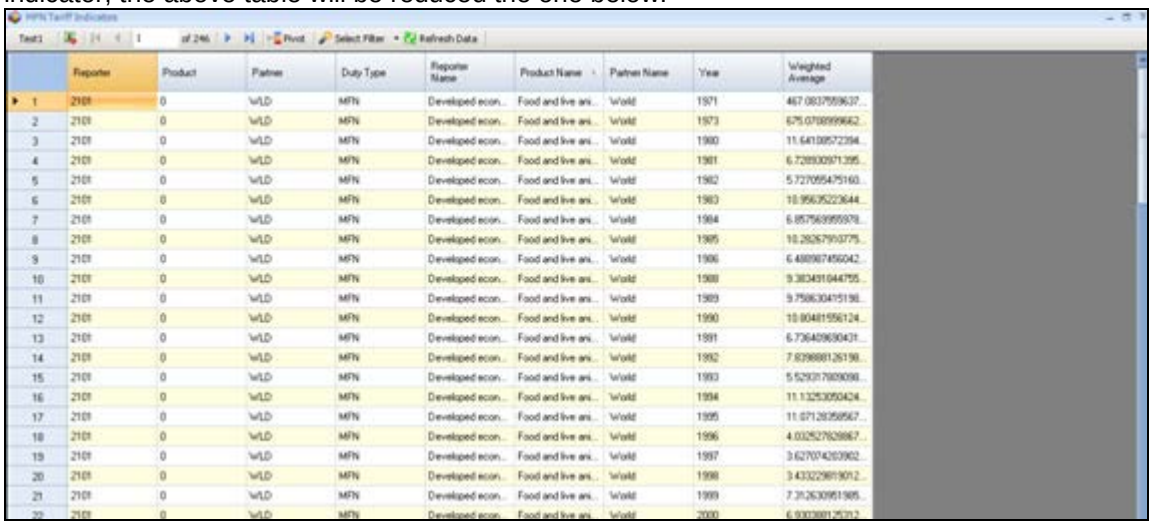
B2.2.1 Sorting the Table

The result table can be sorted by any of the columns, in descending or ascending order. Click once the title of the column and the table will be sorted in ascending order, and click it again will sort the table in descending order

B2.2.2 Filtering the Table

The table can be filtered for any single indicator to be shown. For example, if only the Weighted Tariff Average is needed, then from the

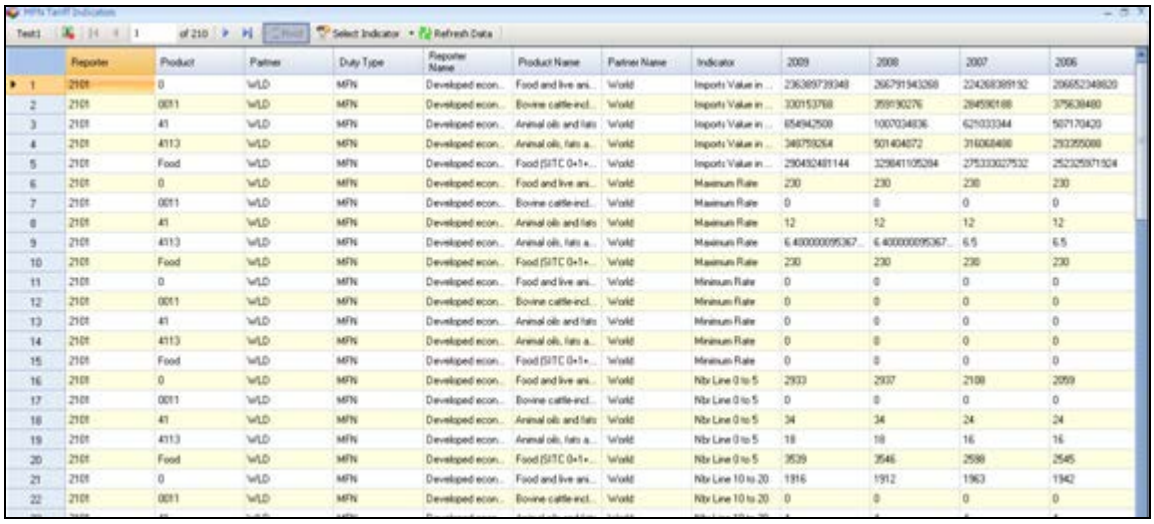
menu, select the corresponding indicator, the above table will be reduced the one below.



B2.2.3 Pivoting the Table

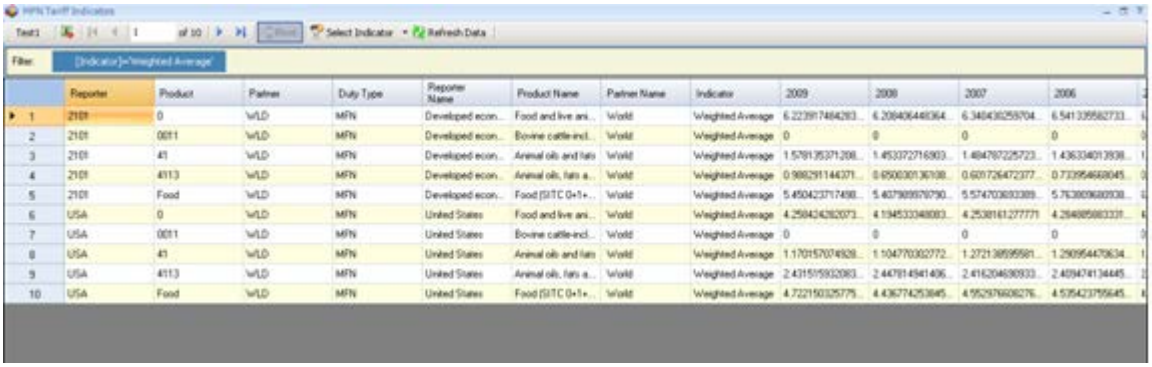
The table can be pivoted to show each Year in different column. Click

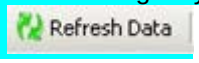
and the table will be rearranged as follows.



Additionally, if only one indicator is needed, open

menu and select the required indicator (e.g. Weighted Average Tariff), the table will be reduced to:



Note: Before taking any Filtering or Pivoting action, refresh the table to its original state by clicking 

B2.3. Saving the Table for further manipulation

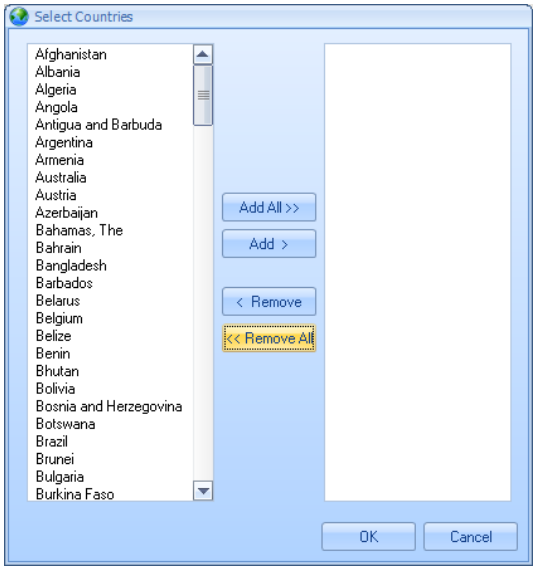
The table can be saved in a Comma Separate Value (CSV) format. To save, click at the top-left corner of the table and specify the name and location for the CSV file.

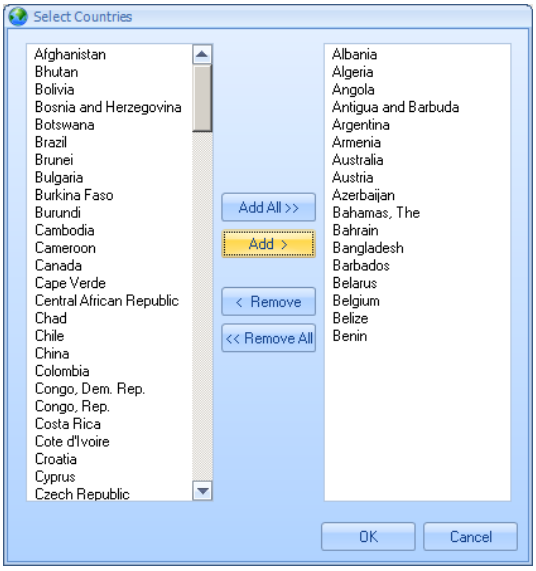
C. Other Reports in LST TRAINS

C1. Trade Restrictiveness Indices (TRI)

Trade Restrictiveness Indices (TRI) by country/year have been pre-calculated for each Reporter country and available year. For the calculation method, see Annex E1.

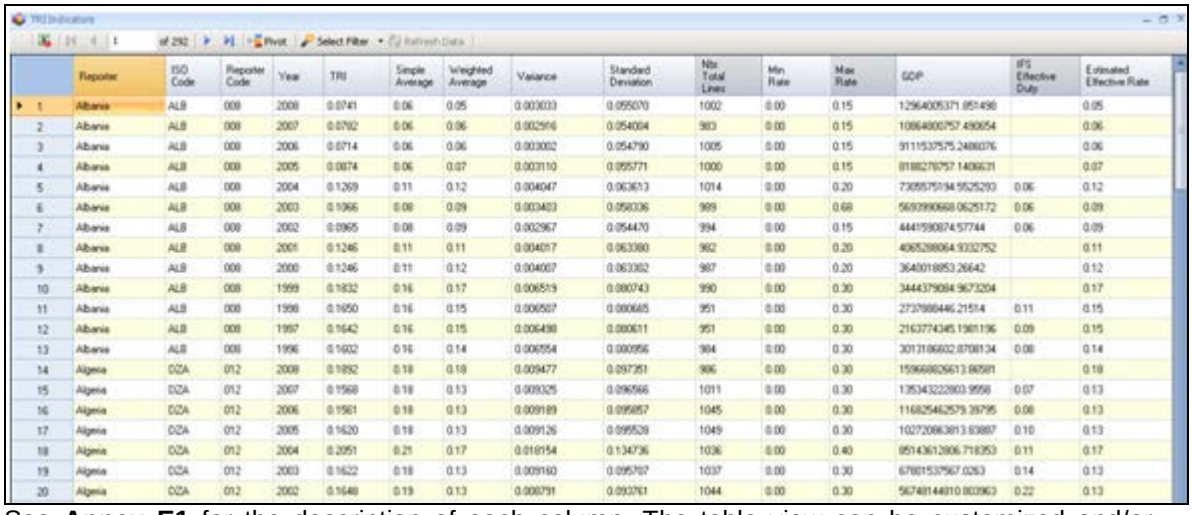
To obtain TRI, click Report menu and select **TRI Indicators**. The following panel appears to select Reporter.





Select the desired Reporter countries by selecting from the left box and moving to the right one by clicking Add >. All countries may be selected by simply clicking Add All >>. Reporter countries not required may be removed from the list in the right box by selecting the countries in the right box and clicking < Remove or simply click << Remove All to start the selection process from the beginning.

Once all countries have been selected, click OK. The TRI Indicators are presented in a following table.



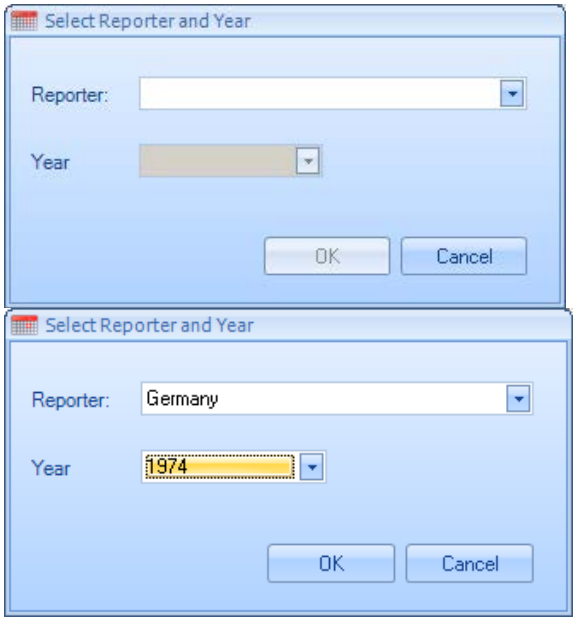
	Reporter	ISO Code	Reporter Code	Year	TRI	Simple Average	Weighted Average	Variance	Standard Deviation	Nbr Total Lines	Min Rate	Max Rate	GDP	IFS Effective Duty	Estimated Effective Rate
1	Albania	ALB	008	2008	0.0741	0.06	0.05	0.003033	0.055070	1002	0.00	0.15	12564005371.051498		0.05
2	Albania	ALB	008	2007	0.0702	0.06	0.06	0.002916	0.054004	983	0.00	0.15	10864800757.490654		0.06
3	Albania	ALB	008	2006	0.0714	0.06	0.06	0.003002	0.054790	1005	0.00	0.15	9111537575.2486076		0.06
4	Albania	ALB	008	2005	0.0874	0.06	0.07	0.003110	0.055771	1000	0.00	0.15	8188276757.1408631		0.07
5	Albania	ALB	008	2004	0.1269	0.11	0.12	0.004047	0.063613	1014	0.00	0.20	7305575194.9525293	0.06	0.12
6	Albania	ALB	008	2003	0.1066	0.08	0.09	0.003403	0.058336	989	0.00	0.68	5692990668.0625172	0.06	0.09
7	Albania	ALB	008	2002	0.0965	0.08	0.09	0.002967	0.054470	994	0.00	0.15	4441598074.57744	0.06	0.09
8	Albania	ALB	008	2001	0.1246	0.11	0.11	0.004057	0.063380	962	0.00	0.20	4065288064.9332752		0.11
9	Albania	ALB	008	2000	0.1246	0.11	0.12	0.004007	0.063302	987	0.00	0.20	3640018853.26642		0.12
10	Albania	ALB	008	1999	0.1832	0.16	0.17	0.006519	0.080743	990	0.00	0.30	3444379084.9673204		0.17
11	Albania	ALB	008	1998	0.1650	0.16	0.15	0.006507	0.080665	951	0.00	0.30	2737888446.21514	0.11	0.15
12	Albania	ALB	008	1997	0.1642	0.16	0.15	0.006498	0.080611	951	0.00	0.30	2163774345.1981196	0.09	0.15
13	Albania	ALB	008	1996	0.1602	0.16	0.14	0.006554	0.080956	984	0.00	0.30	2013186602.8708134	0.08	0.14
14	Algeria	DZA	012	2008	0.1892	0.18	0.18	0.009477	0.097351	986	0.00	0.30	159666826613.86581		0.18
15	Algeria	DZA	012	2007	0.1568	0.18	0.13	0.009325	0.096566	1011	0.00	0.30	135343222803.9558	0.07	0.13
16	Algeria	DZA	012	2006	0.1561	0.18	0.13	0.009189	0.095857	1045	0.00	0.30	116825462573.29795	0.08	0.13
17	Algeria	DZA	012	2005	0.1620	0.18	0.13	0.009126	0.095529	1049	0.00	0.30	102720863813.83887	0.10	0.13
18	Algeria	DZA	012	2004	0.2051	0.21	0.17	0.010154	0.134736	1036	0.00	0.40	95143612806.718353	0.11	0.17
19	Algeria	DZA	012	2003	0.1622	0.18	0.13	0.009160	0.095707	1037	0.00	0.30	67801533767.0263	0.14	0.13
20	Algeria	DZA	012	2002	0.1648	0.19	0.13	0.009291	0.096371	1044	0.00	0.30	56748144810.803963	0.22	0.13

See **Annex E1** for the description of each column. The table view can be customized and/or saved in a similar way as the Query Results table explained in B2.2 and B2.3 above.

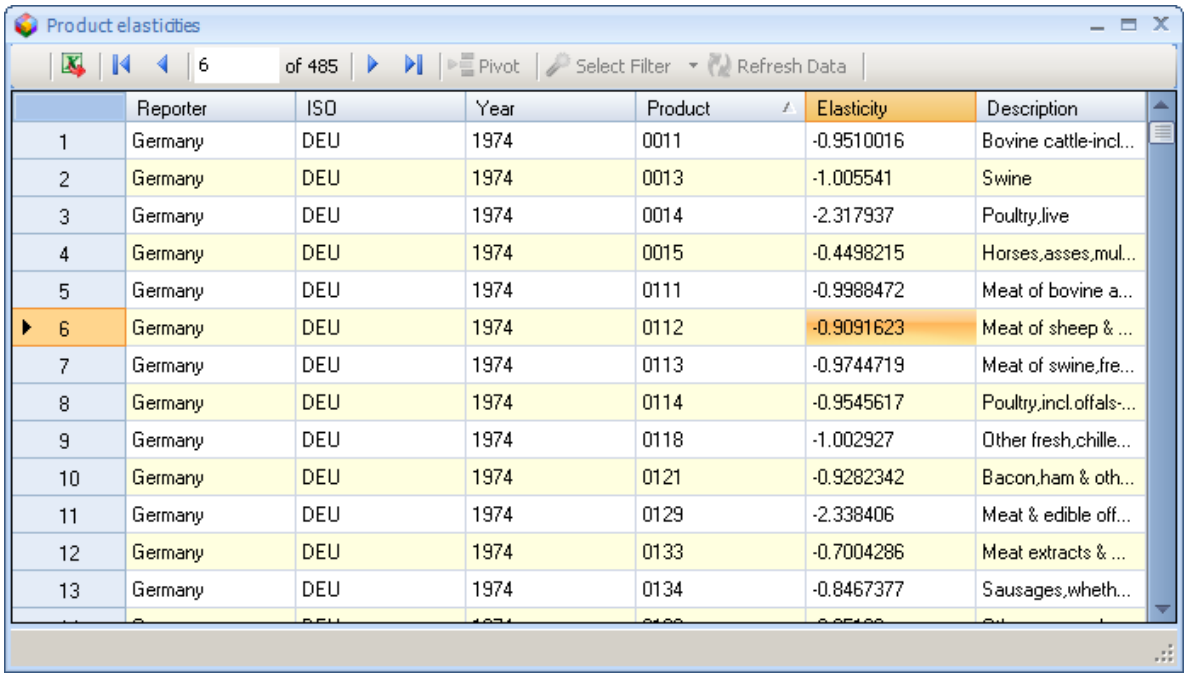
C2. Import Demand Elasticity

Import Demand Elasticity has been estimated by UNCTAD for each country/year at the SITC Rev1 4-digit product level, using the methodology introduced and adopted by Kee, Nicita and Olarreaga (2009, see reference in Annex E1)

In LST TRAINS, the Elasticity series can be downloaded by country/year. Click Report menu and select **Elasticities**. The following panel appears to select a Reporter country first, then select the year available for that country from the list.



Click OK and the Elasticity for the selected country/year is provided for each SITC 4-digit level with corresponding product description, as follows.

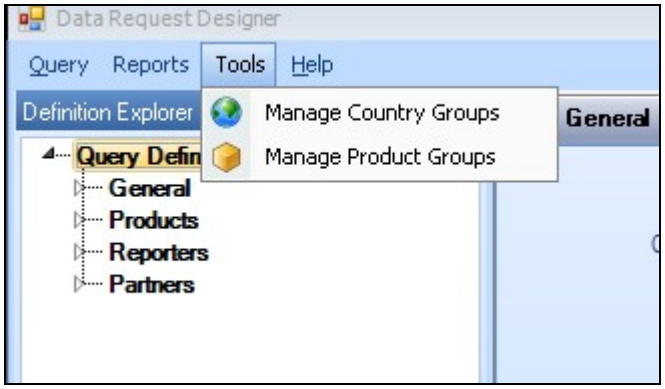


	Reporter	ISO	Year	Product	Elasticity	Description
1	Germany	DEU	1974	0011	-0.9510016	Bovine cattle-incl...
2	Germany	DEU	1974	0013	-1.005541	Swine
3	Germany	DEU	1974	0014	-2.317937	Poultry,live
4	Germany	DEU	1974	0015	-0.4498215	Horses,asses,mul...
5	Germany	DEU	1974	0111	-0.9988472	Meat of bovine a...
6	Germany	DEU	1974	0112	-0.9091623	Meat of sheep & ...
7	Germany	DEU	1974	0113	-0.9744719	Meat of swine,fre...
8	Germany	DEU	1974	0114	-0.9545617	Poultry,incl.offals-...
9	Germany	DEU	1974	0118	-1.002927	Other fresh,chille...
10	Germany	DEU	1974	0121	-0.9282342	Bacon,ham & oth...
11	Germany	DEU	1974	0129	-2.338406	Meat & edible off...
12	Germany	DEU	1974	0133	-0.7004286	Meat extracts & ...
13	Germany	DEU	1974	0134	-0.8467377	Sausages,wheth...

The table can be saved by clicking at the top left corner and specifying the name and location of the file to be saved.

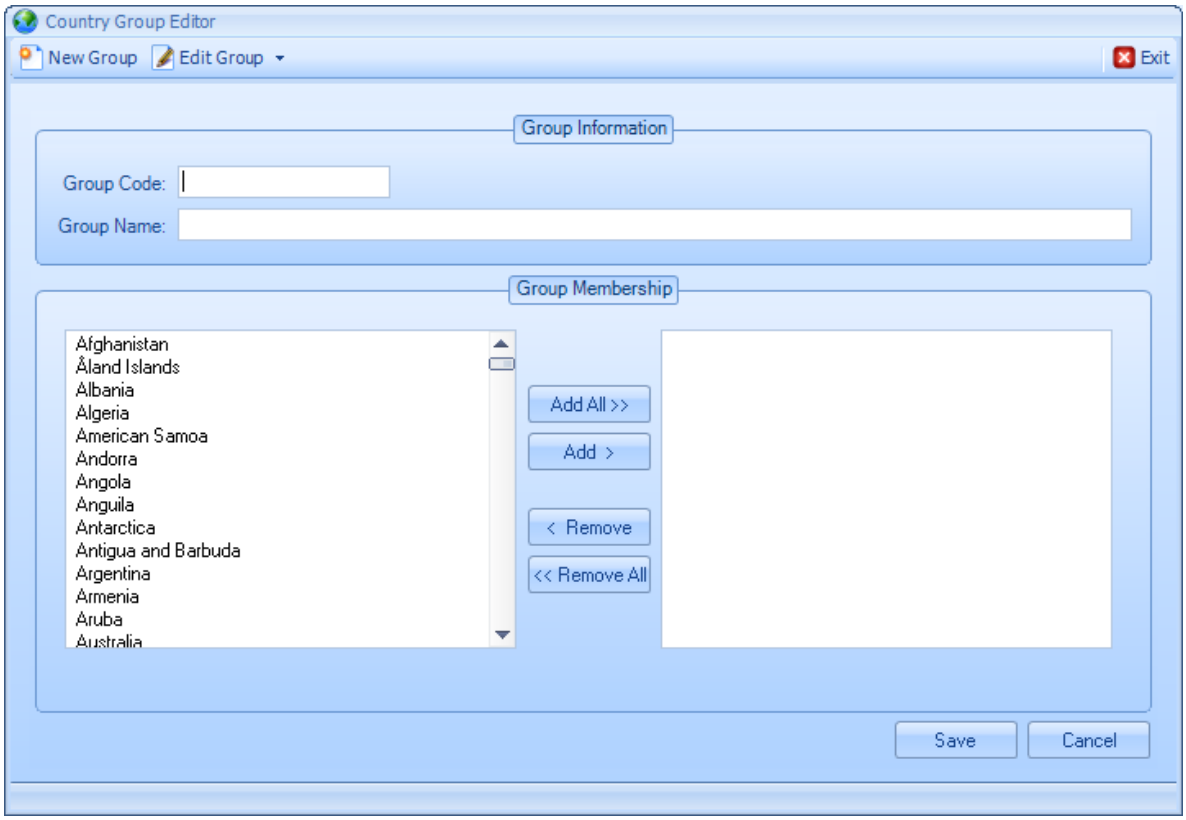
D. Tools in LST TRAINS

With LST TRAINS, uses can construct their own country and product groups.



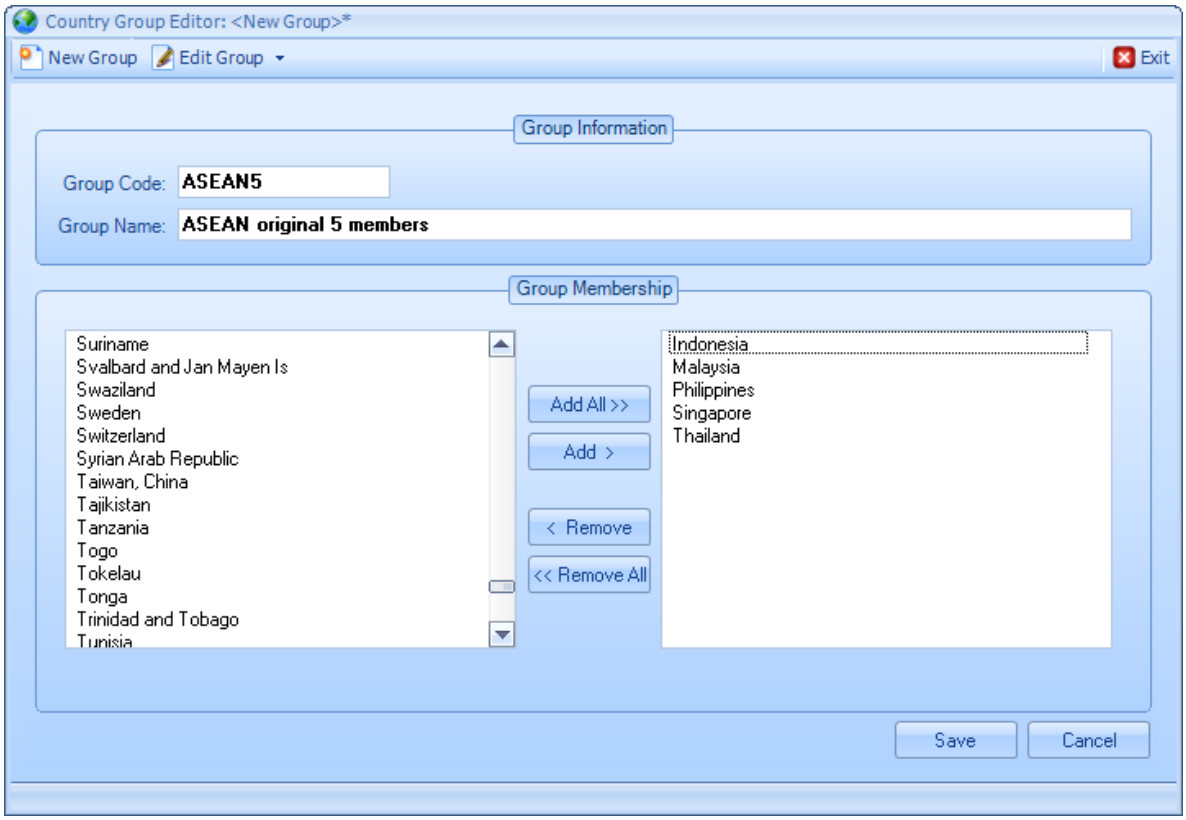
D1. Building and Managing Country Groups

From the **Tool** menu, select **Manage Country Groups**. The following panel opens to build a country group.



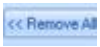
Provide a short name and brief description of the group in **Group Code** and **Group Name**, respectively (e.g. ASEAN5, ASEAN original 5 members). Select the individual counties from the left box and move them to the right box by clicking

.



All countries may be selected by simply clicking

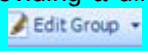
. Countries that are not required may be removed from the list in the right box by selecting the countries in the right box and clicking

or simply click 

to start the selection process from the beginning.

Once all countries have been selected, click

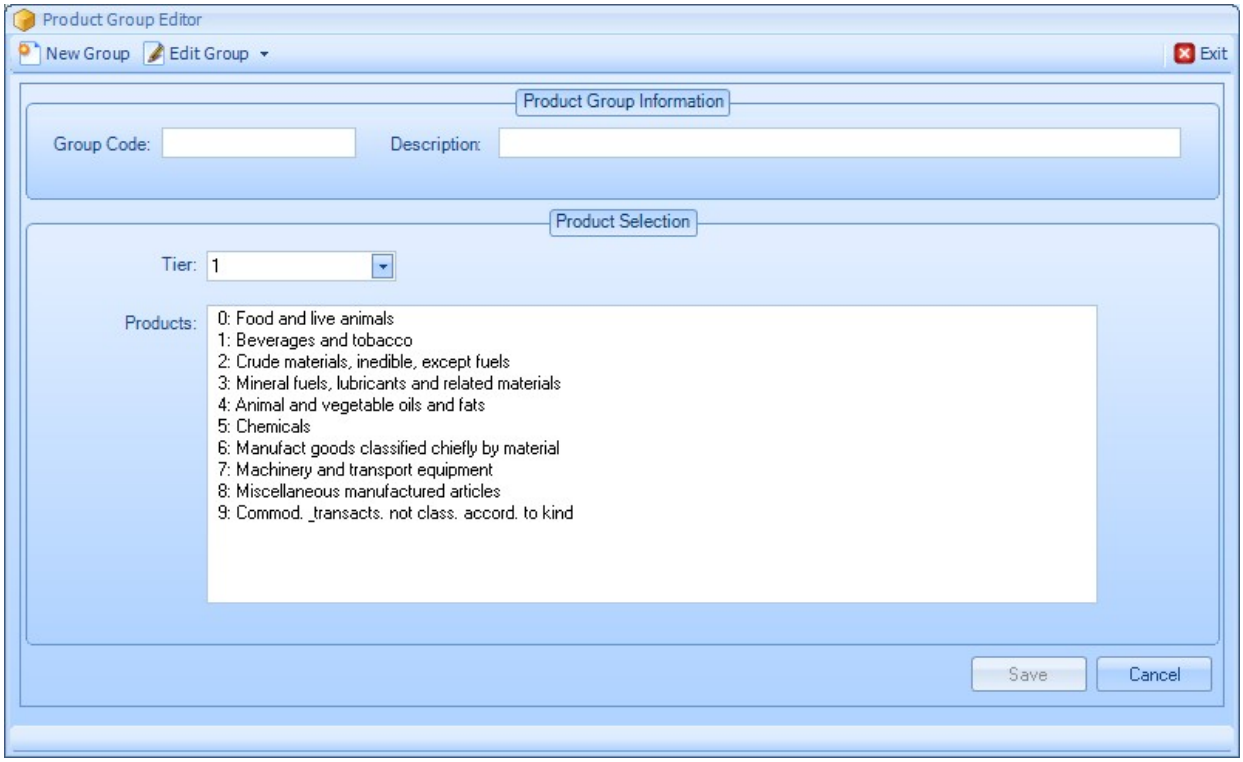
.

Note: Existing user-defined county groups may be modified and saved to replace the old group, or saved as a new group by providing a different **Group Code** and **Group Name**. To do this, select an existing group from the 

menu.

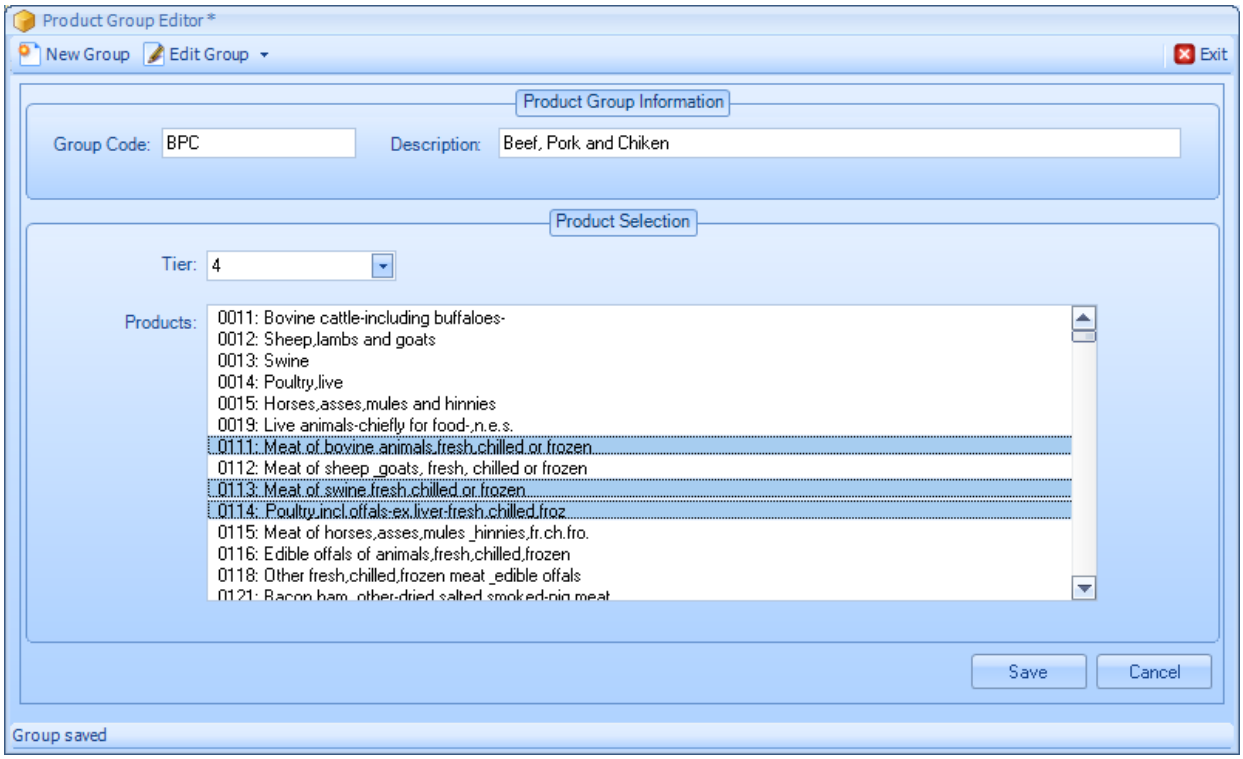
D2. Building and Managing Product Groups

From the **Tool** menu, select **Manage Product Groups** and click New Group. The following panel opens to build a product group.



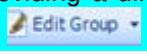
Provide a short name and brief description of the group in **Group Code** and **Group Name**, respectively (e.g. BPC, Beef, pork and chicken).

Product Groups can be built using the SITC codes at the same level of aggregation. Select the **Tier** (1, 2, 3, 4 and 5 corresponding to 1-, 2-, 3-, 4- and 5-digit level respectively). Select all codes to be included in the Group (e.g. 4-digit with 0111, 0113 and 0114) by highlighting them while pressing ***Ctrl*** key on the keyboard.



Once all codes have been highlighted, click

.

Note: Existing user-defined product groups may be modified and saved to replace the old group, or saved as a new group by providing a different **Group Code** and **Group Name**. To do this, select an existing group from the 

menu

E. Annexes

E1. Trade Restrictive Indices (TRI)

There has been a great deal of interest in knowing whether an economy has become more open over time. Part of the reason for this is the hypothesis that economies that are more open to international trade grow faster than countries that are less open, although the empirical evidence in support of this proposition is rather mixed at best (see for example, Edwards (1993) and Rodrik and Rodriquez (2001)). In exploring the relationship between openness and growth, one very important question that a researcher must answer is how to measure openness. Researchers have used a variety of measures and these are included in this database. The database contains the following four measures.

1. **Simple Average Tariff**: This measure is computed by taking the simple arithmetic average of the tariff rates for each country, for a given time period. This measure gives equal weight to each tariff rate.

2. **Import-Weighted Average Tariff**: This measure is the weighted-sum of each country's tariff rates, where the weights are the shares of each good in a country's total imports. Compared to #1, this measure assigns higher weights to tariffs on goods for which imports are large. However, if tariffs are effective in restricting imports, then imports would be low, giving these goods low weights instead of high weights. This is a weakness of using this indicator.

3. **Tariff Revenue Divided by Imports**: This measure is computed by dividing total revenue from duties on imports by the value of imports. This measure includes the impact of tariff preferences granted by a particular country, as it uses the actual value of revenue collected, rather than statutory tariff rates.

4. **Partial-Equilibrium Trade Restrictiveness Index**: This measure is a partial-equilibrium version of the trade restrictiveness developed by Anderson and Neary (2005). Since it is often time consuming to construct general equilibrium models, Feenstra (1995) demonstrated how to compute a trade restrictiveness index under certain assumptions. To do this, only three pieces of data are required: (i) import shares of each commodity; (ii) tariff rates by commodity; and (iii) price elasticities of demand for imports by commodity. The mathematical formula for this index is:

$$\text{Trade restrictiveness index for country k} = \left[\frac{\sum_j s_j \varepsilon_j t_j^2}{\sum_j s_j \varepsilon_j} \right]^{1/2}$$

where s_j is the share of imports of good j in total imports, ε_j is the price elasticity of demand for imports of good j, and t_j is the tariff rate applied to good j. Price elasticities have been econometrically estimated by Nicita (2010) for about 4000 products per country and 88 countries, using a method similar to the one presented in Kee, Nicita, and Olarreaga (2006).

References

Anderson, James, and J. Peter Neary, 2005, *Measuring the Restrictiveness of International Trade Policy*, Cambridge: MIT Press.

Edwards, Sebastian, 1993, "Openness, Trade Liberalization, and Growth in Developing Countries," *Journal of Economic Literature*, vol. 31, Issue 3, (September), pp. 1358-1393.

Feenstra, Robert, 1995, "Estimating the Effects of Trade Policy," in *Handbook of International Economics, Volume 3*, edited by Gene Grossman and Kenneth Rogoff, Amsterdam: Elsevier, pp. 1553-95.

Kee, Hiau Looi, Alessandro Nicita, and Marcelo Olarreaga (2009), "Estimating Trade Restrictiveness Indices," *Economic Journal*, 119 (534), pp. 172-199.

Nicita, Alessandro, 2010,

Rodrik, Dani and Francisco Rodriquez, 2001, "Trade Policy and Economic Growth: A Skeptic's Guide to Cross-National Evidence," *Macroeconomics Annual 2000*, edited by Ben Bernanke and Kenneth Rogoff, MIT Press for NBER: Cambridge.

E2. Catalogue of Data Availability

The following table provides the available countries with corresponding years in LST TRAINS at the time of its initial launch in September 2011. As more data are included in the system, the updated catalogue will be maintained in the System itself.

Country	Availabe Years
Afghanistan	2004, 2006, 2007, 2008
Albania	1997, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Algeria	1973, 1979, 1989, 1992, 1993, 1997, 1998, 2001, 2002, 2003, 2005, 2006, 2007, 2008
Angola	1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 2002, 2004, 2005, 2006, 2008, 2009
Antigua and Barbuda	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Argentina	1984, 1987, 1988, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Armenia	2001, 2003, 2004, 2005, 2006, 2007, 2008
Australia	1973, 1975, 1981, 1984, 1986, 1991, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Austria	1972, 1975, 1984, 1990, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Azerbaijan	2002, 2005, 2007, 2008
Bahamas, The	1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1999, 2002, 2006
Bahrain	1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1999, 2000, 20012002, 2003, 2004, 2005, 2006, 2007, 2008
Bangladesh	1984, 1985, 1986, 1989, 1994, 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Barbados	1985, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007
Belarus	1996, 1997, 2000, 2001, 2002, 2008
Belgium	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Belgium-Luxembourg	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Belize	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2001, 2002, 2003, 2006, 2007,

	2008, 2009
Benin	1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Bermuda	2001, 2005, 2007, 2008
Bhutan	1996, 2002, 2004, 2005, 2007
Bolivia	1974, 1987, 1988, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Bosnia and Herzegovina	2001, 2006, 2007, 2008
Botswana	1990, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Brazil	1973, 1979, 1986, 1987, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Brunei	1992, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Bulgaria	1982, 1987, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Burkina Faso	1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1993, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Burundi	1987, 1988, 2002, 2003, 2005, 2006, 2007, 2008
Cambodia	2001, 2002, 2003, 2005, 2006, 2007, 2008
Cameroon	1984, 1985, 1986, 1994, 1995, 2001, 2002, 2005, 2007, 2009
Canada	1989, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Cape Verde	2005, 2006, 2007, 2008, 2009
Central African Republic	1984, 1985, 1995, 1997, 2001, 2002, 2005, 2006, 2007
Chad	1984, 1995, 1997, 2001, 2002, 2005, 2007, 2009
Chile	1974, 1983, 1984, 1985, 1986, 1987, 1988, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
China	1986, 1987, 1988, 1989, 1990, 1992, 1993, 1994, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Colombia	1975, 1982, 1988, 1991, 1992, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Comoros	2008
Congo, Dem. Rep.	1986, 1987, 2003, 2006, 2007, 2008
Congo, Rep.	1984, 1985, 1994, 1997, 2001, 2002, 2005, 2006, 2007
Costa Rica	1985, 1986, 1987, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Cote d'Ivoire	1978, 1986, 1987, 1993, 1996, 2001, 2002,

	2003, 2004, 2005, 2006, 2007, 2008
Croatia	2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Cuba	1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1993, 1996, 1997, 1998, 1999, 20002001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Cyprus	1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Czech Republic	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Czechoslovakia	1980, 1989, 1992
Denmark	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Djibouti	1986, 1987, 1988, 1998, 1999, 2002, 2005, 2006, 2009
Dominica	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1998, 1999, 2000, 2001, 2002, 2003, 2006, 2007
Dominican Republic	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Ecuador	1975, 1989, 1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Egypt, Arab Rep.	1982, 1986, 1987, 1988, 1989, 1995, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
El Salvador	1987, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Equatorial Guinea	1998, 2001, 2002, 2005, 2007
Eritrea	2002, 2006
Estonia	1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Ethiopia(excludes Eritrea)	1995, 2001, 2002, 2006, 2008
Ethiopia(includes Eritrea)	1986, 1987, 1988
European Union	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Fiji	2003, 2004, 2007, 2008
Finland	1970, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1988, 1990, 1991, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
France	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003,

	2004, 2005, 2006, 2007, 2008, 2009, 2010
French Polynesia	2008
Gabon	1984, 1995, 1998, 2000, 2001, 2002, 2005, 2007, 2008, 2009
Gambia, The	2003, 2007, 2008
Georgia	1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Germany	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Ghana	1973, 1987, 1993, 2000, 2001, 2002, 2003, 2004, 2007, 2008
Greece	1974, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Grenada	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2006, 2007, 2008
Guatemala	1987, 1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Guinea	1985, 1986, 1998, 2004, 2005, 2008, 2009
Guinea-Bissau	2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Guyana	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2006, 2007, 2008
Haiti	1987, 2007, 2008, 2009
Honduras	1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Hong Kong, China	1988, 1989, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Hungary	1971, 1977, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1991, 1992, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Iceland	1993, 1996, 1998, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008
India	1979, 1985, 1986, 1987, 1990, 1992, 1996, 1997, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008
Indonesia	1976, 1989, 1990, 1993, 1995, 1996, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Iran, Islamic Rep.	1987, 2000, 2003, 2004, 2007, 2008
Iraq	1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985
Ireland	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Israel	1975, 1982, 1993, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Italy	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Jamaica	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007
Japan	1974, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 20082009
Jordan	1983, 1984, 1985, 1986, 1987, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Kazakhstan	1996, 2004, 2008
Kenya	1989, 1990, 1994, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008
Korea, Dem. Rep.	1985, 1986, 1987
Korea, Rep.	1970, 1973, 1982, 1986, 1987, 1988, 1989, 1990, 1992, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Kuwait	1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Kyrgyz Republic	1995, 2000, 2001, 2002, 2003, 2006, 2007, 2008
Lao PDR	2000, 2001, 2004, 2005, 2006, 2007, 2008
Latvia	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Lebanon	1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007
Lesotho	1990, 2001, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Libya	1984, 1985, 1986, 1987, 1996, 2002, 2006
Lithuania	2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Luxembourg	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Macao	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Macedonia, FYR	2001, 2004, 2005, 2006, 2007, 2008, 2009
Madagascar	1988, 1995, 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Malawi	1987, 1988, 1994, 1996, 1997, 1998, 2000, 2001, 2003, 2006, 2008, 2009
Malaysia	1976, 1980, 1987, 1988, 1991, 1993, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2005, 2006, 2007, 2008, 2009
Maldives	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2008

Mali	1995, 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Malta	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Mauritania	2001, 2006, 2007
Mauritius	1988, 1989, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008
Mayotte	2007, 2008
Mexico	1970, 1974, 1984, 1986, 1988, 1989, 1990, 1991, 1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Moldova	1996, 2000, 2001, 2006, 2007, 2008
Mongolia	1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Montenegro	2007, 2008
Montserrat	1985, 1996, 1999
Morocco	1985, 1986, 1987, 1988, 1992, 1993, 1997, 2000, 2001, 2002, 2003, 2005, 2006, 2007, 2008, 2009
Mozambique	1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1994, 1997, 2001, 2002, 2003, 2005, 2006, 2007, 2008, 2009
Myanmar	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Namibia	2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Nepal	1984, 1985, 1986, 1987, 1993, 1998, 1999, 2000, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Netherlands	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
New Zealand	1971, 1992, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Nicaragua	1985, 1986, 1987, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2007, 2009
Niger	1970, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Nigeria	1988, 1989, 1990, 1992, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2005, 2006, 2008, 2009
Norway	1969, 1972, 1978, 1980, 1981, 1982, 1983, 1984, 1986, 1988, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Oman	1985, 1992, 1997, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Pakistan	1973, 1980, 1984, 1988, 1995, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006,

	2007, 2008, 2009
Palau	2005, 2006
Panama	1988, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Papua New Guinea	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Paraguay	1974, 1982, 1983, 1984, 1985, 1986, 1987, 1991, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Peru	1974, 1986, 1987, 1993, 1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Philippines	1974, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Poland	1980, 1989, 1991, 1992, 1995, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Portugal	1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Qatar	1985, 1986, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Romania	1974, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1991, 1999, 2001, 2004, 2005, 2007, 2008, 2009, 2010
Russian Federation	1993, 1994, 1996, 1997, 2001, 2002, 2005, 2007, 2008
Rwanda	1987, 1988, 1993, 2000, 2001, 2002, 2003, 2005, 2006, 2008, 2009
Saudi Arabia	1989, 1994, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Senegal	1978, 1985, 1986, 1987, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Serbia	2005, 2007, 2008
Seychelles	2000, 2001, 2005, 2006, 2007
Sierra Leone	1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 2004
Singapore	1975, 1976, 1989, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Slovak Republic	1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Slovenia	1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Solomon Islands	1995, 1998, 2006, 2007, 2008
Somalia	1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985
South Africa	1973, 1985, 1988, 1990, 1991, 1993, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010

Spain	1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Sri Lanka	1983, 1985, 1987, 1990, 1993, 1994, 1997, 1998, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009
St. Kitts and Nevis	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2006, 2007, 2008, 2009
St. Lucia	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2005, 2006, 2007
St. Vincent and the Grenadines	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1996, 1999, 2000, 2001, 2002, 2003, 2006, 2007
Sudan	1985, 1986, 1996, 2002, 2006, 2008
Suriname	1996, 1999, 2000, 2007
Swaziland	1990, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Sweden	1978, 1980, 1982, 1983, 1984, 1985, 1986, 1988, 1989, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Switzerland	1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1990, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Syrian Arab Republic	1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 2002
Taiwan, China	1989, 1992, 1996, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Tajikistan	2002, 2006
Tanzania	1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1993, 1997, 1998, 2000, 2003, 2005, 2006, 2007, 2008
Thailand	1971, 1987, 1988, 1989, 1991, 1993, 1995, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Togo	1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Tonga	2009
Trinidad and Tobago	1985, 1986, 1987, 1991, 1992, 1996, 1999, 2001, 2002, 2003, 2004, 2006, 2007, 2008
Tunisia	1973, 1980, 1981, 1984, 1985, 1987, 1988, 1990, 1991, 1992, 1995, 1998, 2000, 2002, 2003, 2004, 2005, 2006, 2008
Turkey	1986, 1987, 1988, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Turkmenistan	1998, 2002
Uganda	1982, 1983, 1984, 1985, 1994, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Ukraine	1995, 1997, 2002, 2006, 2007, 2008, 2009, 2010
United Arab Emirates	1983, 1984, 1985, 2003, 2005, 2006, 2007,

	2008
United Kingdom	1973, 1974, 1975, 1976, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1993, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
United States	1989, 1990, 1991, 1992, 1993, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Uruguay	1972, 1987, 1988, 1992, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009
Uzbekistan	2001, 2006, 2007, 2008
Vanuatu	2002, 2003, 2004, 2005, 2006, 2007, 2008
Venezuela	1977, 1980, 1981, 1989, 1992, 1995, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
Vietnam	1994, 1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
Yemen	1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 2000, 2006
Yugoslavia	2001, 2002, 2005
Yugoslavia, FR (Serbia/Montene	1988, 1989
Zambia	1987, 1993, 1997, 2001, 2002, 2003, 2005, 2007, 2008
Zimbabwe	1983, 1988, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2007